

## Claims

1. Communication arrangement for transmitting information messages (inf1...n) between a plurality of decentralized communication units (DBG1...n) and at least one central communication unit (ZBG), wherein the information messages (inf1...n) respectively sent from the decentralized communication units (DBG1...n) to the at least one central communication unit (ZBG) have respectively a start information message indicating the start of the respectively transmitted information messages and an end information message indicating the end of the respectively transmitted information messages,
- characterized in that
- the decentralized communication units (DBG1...n) are respectively connected via a point-to-point connection (VL) to a central memory device (SP) connected to at least one central communication unit (ZBG),
  - control means (CONT) are assigned to the central memory device (SP), which control means are fashioned in such a way that
  - the start information message of the information messages (inf1...n) respectively transmitted from at least one of the decentralized communication units (DBG1...n) via the respective point-to-point connection (VL) is identified,
  - once the start information message has been identified, the information messages (inf1...n) subsequently arriving via the respective point-to-point connection (VL) are respectively stored in a memory area (MEM) provided in the memory device (SP),
  - the end information message of the information messages (inf1...6) respectively arriving via the point-to-point connection is identified, whereby, once the end information message has been identified, the respectively stored information messages (inf1...6) are read out from the memory area (MEM) and the information messages (inf1...6) read out are transmitted onward to the at least one central communication unit (ZBG).
2. Communication arrangement according to Claim 1,

characterized in that

the control means (CONT) are fashioned such that the information messages (inf1...6) arriving respectively at the central memory device (SP) are stored together with the respective start and end information messages in the memory device (SP) and transmitted onward to the central communication unit (ZBG).

3. Communication arrangement according to Claim 1 or Claim 2, characterized in that

10 at least one point-to-point connection is configured between the at least one central communication unit (ZBG) and the central memory device (SP), and in that the control means (CONT) arranged in the memory device (SP) are fashioned such that the information messages (inf1...6) respectively read out are transmitted as part of a transmission method via the at least one configured point-to-point connection to the at least one central communication unit (ZBG).

4. Communication arrangement according to any one of the preceding Claims,

20 characterized in that the information messages (inf1...6) transmitted respectively via one of the point-to-point connections (VL) to the central memory device (SP) are transmitted within the framework of at least one data packet or data telegram or data frame having the start and end information message.

5. Communication arrangement according to Claim 4, characterized in that

the at least one data frame is fashioned as an HDLC frame.

6. Communication arrangement according to any one of the preceding Claims,

characterized in that

35 further transmission means are arranged between the at least one central communication unit (ZBG) and the decentralized communication units (DBG1...n), which further transmission means are fashioned such

that information messages to be transmitted from the at least one central communication unit (ZBG) toward decentralized communication units (DBG1...n) are transmitted with the aid of a broadcast transmission method to the decentralized communication units (DBG1...n).

7. Communication arrangement according to any one of the preceding Claims, characterized in that the point-to-point connections are implemented respectively through at least one interoffice trunk.

8. Communication arrangement according to any one of the preceding Claims, characterized in that the at least one central communication unit (ZBG) and the decentralized communication units (DBG1...n) are an integral part of a communication device (KE) arrangeable in a communication network.

9. Communication arrangement according to Claim 8, characterized in that the at least one central communication unit (ZBG) and the decentralized communication units (DBG1...n) are fashioned respectively as modules arranged in the communication device (KE).